

Serial No. 10/085,537

Atty. Doc. No. T147

Remarks

Claims 1-26 are currently pending in the subject application and are presently under consideration. Applicants' representative acknowledges with appreciation the allowance of claims 1-14. Claims 15, 24, 25 have been amended herein to recite the limitation of conductive material between lens and the chip, which is deemed allowable subject matter by the Examiner.

Favorable reconsideration of the subject patent application is respectfully requested in view of the comments below.

**I. Rejection of Claims 15-26 Under 35 U.S.C. §102(b)**

Claims 15-26 stand rejected under 35 U.S.C. §102(b) as being anticipated by Mandai *et al.* (U.S. Patent 5,909,198). It is respectfully submitted that this rejection should be withdrawn for at least the following reasons. Mandai *et al.* does not teach or suggest the claimed invention.

For a prior art reference to anticipate, 35 U.S.C. §102 requires that "each and every element as set forth in the claim is found, either expressly or inherently, in a single prior art reference. In re Robertson, 169 F.3d 743, 745, 49 USPQ2d 1949, 1950 (Fed. Cir. 1999) (quoting Verdegaal Bros., Inc. v. Union Oil Co., 814 F.2d 628, 631, 2USPQ2d 1051, 1053 (Fed. Cir. 1987)).

The subject invention as claimed relates to a communication module and display system, which include chip antenna, lens material and conductive material. The conductive material provides an operative coupling *between the lens material and the chip antenna, e.g.,* a ground plane for chip antenna is the transparent *conductive material*, which operatively couples display lens material to chip antenna. Such integration of *display* lens and chip antenna provides for advantages stated in applicants' specification; such as for example providing for a reliable, low cost and aesthetic communication module.

Such aspects of applicants' claimed invention, are not disclosed or suggested by Mandai *et al.* Rather, Mandai *et al.* teaches a chip antenna that includes a ground electrode 4 that provides an operative coupling between *glass epoxy resin board 1 and the earth* – not coupling between the lens material and the chip antenna, as recited in the subject claims. (See Mandai *et al.* col. 3, lines 10-15. See also Fig. 2.) In addition, glass epoxy resin of Mandai *et al.* is not part of a *display* lens of the communication module, as in applicants' claimed invention. The subject inventions integrates the *display lens* of the communication module with the chip antenna to

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provide for an aesthetic, low cost communication module, while mitigating physical shocks that can affect a parameter, and thus performance of the antenna.

Independent claim 15 recites "coupling the chip antenna and a lens material *via* a conductive material applied therebetween to provide a *ground plane* for the chip antenna." Similar limitations are recited in independent claim 24; "*conductive* means for providing a *ground plane* to the antenna means [...] positioned *between* the display means and the antenna means", and independent claim 25 "positioned *between* the lens material and the chip antenna to provide a chip antenna *ground plane* [...]."

In view of the at least above comments, it is readily apparent that Mandai *et al.* does not teach or suggest the subject invention, as recited in independent claims 15, 25, and claims 16-19, 21- 23, and claim 26, which depend respectively therefrom, and independent claim 24; thus this rejection should be withdrawn.

## II. Rejection of Claim 20 Under 35 U.S.C. §103(a)

Claim 20 stand rejected under 35 U.S.C §103(a) as being obvious over Mandai *et al.* Claim 20 depends from independent claim 15, and as explained *supra*, Mandai *et al.* does not teach or suggest the subject independent claim. Thus, withdrawal of this rejection is respectfully requested.

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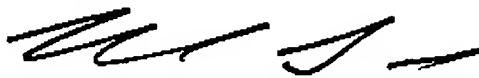
The present application is believed to be condition for allowance in view of the above amendments and comments. A prompt action to such end is earnestly solicited.

In the event any fees are due in connection with this document, the Commissioner is authorized to charge those fees to Deposit Account No. 50-1063.

Should the Examiner believe a telephone interview would be helpful to expedite favorable prosecution, the Examiner is invited to contact applicants' undersigned representative at the telephone number below.

Respectfully submitted,

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